

Professional and Managerial Branch
Miscellaneous Professional Group
Sciences Series

CHEMIST I

02/98 (SAC)

Summary

Under general supervision, perform chemical and bacteriological analyses of water and wastewater samples.

Typical Duties

Conduct required analyses of water and wastewater samples to assure water quality is in conformance with federal, state and local standards. Involves: collecting samples to be tested at various stages of treatment; maintaining records of tests performed and notifying supervisors of results; operating and maintaining laboratory equipment such as advanced spectrophotometry and/or advanced chromatography; using a computer to analyze and maintain records of sample collection, testing and results.

Perform other duties as assigned. Involves: maintaining current knowledge of chemical testing equipment and procedures and federal, state and local water quality regulations and standards; substituting for coworkers or supervisor during temporary absences to maintain continuity of operations; may supervise and train laboratory technical employees; maintaining records and logs and preparing reports.

Minimum Qualifications

Training and Experience: Graduation from an accredited college or university with a Bachelor's Degree in Chemistry, Bacteriology or a related field; or an equivalent combination of training and experience.

Knowledge, Abilities and Skills: Some knowledge of: standard equipment, procedures and techniques used in a chemical analysis laboratory; theories, principles and practices of chemistry and bacteriology; use and care of special chemical analysis equipment; hazards of the trade, including the effects of the chemicals used, and safe working practices and equipment of the trade; supervisory methods.

Ability to: perform laboratory analyses to determine water quality; understand and follow oral and written instructions; record test results; establish and maintain effective working relationships with fellow employees; maintain records and prepare reports.

Skill in: safe use and care of laboratory equipment and chemicals; safe operation of a motor vehicle through City traffic.

Physical Requirements: Exposure to chemical laboratory and office environment; exposure to hazardous chemicals.

Licenses and Certificates: Texas Class "C" Driver's License or equivalent license issued by another state.

Director of Personnel

Department Head

